

AMENDMENTS TO THE CLAIMS

The following Listing of Claims will replace all prior versions, and listings, of Claims in the Application:

Listing of Claims:

Claim 1 (Currently Amended): A pressure tank comprising:

an upper chamber having a hole on top thereof;

an inner chamber enclosed by said upper chamber, said inner chamber having an inward protrusion on top thereof, said inward protrusion having a through hole aligned with said hole of said upper chamber and a recession around said through hole thereof;

a sealing washer installed between said upper chamber and said inner chamber, said sealing washer having a through hole aligned with said through hole of said inner chamber and said hole of said upper chamber;

a stainless steel fluid connector engaged through said hole of said upper chamber, said through hole of said sealing washer, and said through hole of said inner chamber in order;

a leakproof ring placed around a joint of said inward protrusion and said stainless steel fluid connector, said leakproof ring being received in said recession of said inward protrusion;

a stainless steel ring washer surrounding said stainless steel fluid connector and overlaying said leakproof ring;

an elastic diaphragm mounted on an inner side of said inner chamber and defining said upper chamber and a lower chamber, said lower chamber having an inlet for inputting air thereto;

wherein a bottom of said stainless steel fluid connector being riveted to press against said stainless steel ring washer to hold said leakproof ring firmly and secure said inner chamber and said sealing washer to said upper chamber.

2. (Currently Amended): The pressure tank as claimed in claim 1, wherein said stainless steel fluid connector includes a threaded section, a soldering section, and a an engaging section, said threaded section of said stainless steel fluid connector being connected to a water pipe, said soldering section of said stainless steel fluid connector being mounted on a lower portion of the said threaded section of the said stainless steel fluid connector, and has a cylindrical shape and an annular recess formed therein[.] so that said soldering section of the said stainless steel fluid connector may be soldered on the said tank body rapidly, said engaging section being engaged through said hole of said upper chamber, said through hole of said sealing washer, and said through hole of said inner chamber in order.

3. (Original): The pressure tank as claimed in claim 2 wherein said engaging section having a thicker portion and a thinner portion, said thinner portion being formed below and connected to said thicker portion for being riveted to press said stainless steel ring washer to hold said leakproof ring firmly.

4. (Original): The pressure tank as claimed in claim 3 further comprising a securing ring for securing a bottom periphery of said inner chamber to said upper chamber.

5. (Original): The pressure tank as claimed in claim 4 wherein said elastic diaphragm having a reinforced area for resisting a pressure ejected from said inlet of said lower chamber.

6. (Original): The pressure tank as claimed in claim 5 wherein said reinforced area of said elastic diaphragm contains plural reinforcing bumps thereon, said reinforced area being thicker than other areas thereof.

7. (Currently Amended): The pressure tank as claimed in claim 6 wherein said soldering section is of a cylindrical shape, in order for said soldering section of said

MR2663-31/CIP/2

Application Serial No. 10/642,724

Responsive to Office Action dated 09 September 2004

stainless steel fluid connector to be soldered on said upper chamber rapidly by an automatic spot welder.